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Foresight requirements to the teacher on the verge of cognitive revolution

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Abstract

© Serials Publications. Nanotechnologies, biotechnologies, IT as well as cognitive technologies are rapidly becoming part of our life. Cognitive science investigates the ways in which man perceives the world, the peculiarities of the thinking process and memorizing. Hundreds of laboratories around the world use computer systems capable of reading human thoughts. The purpose of research is to justify the educational technologies that contribute to the integration of Foresight competences in the educational activity of the future teacher on the verge of the cognitive revolution. Education is becoming more flexible, interactive and personified. A modern teacher should go ahead of his time. So as foresight consists in determining the position in reference to the future it is necessary to define foresight requirements which the teacher is expected to meet. Education of the future should have an open structure and a practice-oriented content. It should be characterized by the learners' involvement in the process of constructing future, their mobility and active position. We put forward some educational technologies aimed at preparing the teacher who is able to work in the conditions of constant education transformation. E-learning became the starting point in this process. It should be followed by smart-education as network cooperation of educational institutions with other universities, secondary schools, companies in working together in the internet sharing technologies. To provide for the foresight requirements it is possible only through training teachers to make the foresight of the competencies in a changing world. Creating the necessary educational environment with the help of the technologies suggested in this paper will enable the teacher to reach the level of foresight requirements.

Keywords

A diary of competence growth, Cognitive revolution, E-learning, E-portfolio, Foresight competencies, Foresight demands, Learner, Learning, New integrated environment, Smart education, Teacher

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